

ABSTRACT OF THE DISCLOSURE

The present invention discloses an improved single magnetic circuit dual output speaker, comprising a support retainer with an expanded opening at its front end, a bridge disposed across the opening, a magnetic circuit wound and fixed inwardly in the middle of the bridge, a vibrating space disposed on each of both sides of the magnetic circuit, a first voice coil disposed in the vibrating space on one side of the magnetic circuit, a second voice coil disposed in the vibrating space on the other side of the magnetic circuit, a first diaphragm disposed on the expanded opening of the support retainer and having its internal diameter stuck with the first voice coil, a second diaphragm disposed on the expanded opening of the support retainer and having its internal diameter stuck with the second voice coil, and a damper disposed at the back of the support retainer and stuck with the first voice coil, such that the magnetic circuit is mounted at the front of the support retainer by the bridge to provide the dual outputs of high and low pitches by a single body structure, and the bridge can be used to facilitate its holding during assembling and maintenance.